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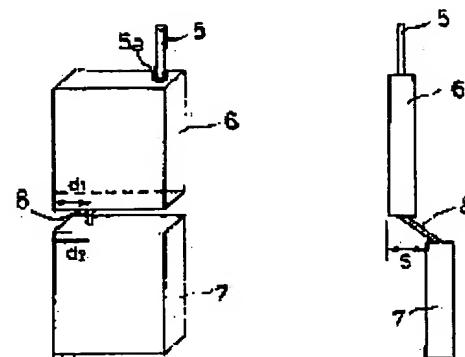
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## (54) ANTENNA SYSTEM

## (57)Abstract:

PURPOSE: To obtain the antenna system having a high gain in a desired direction and not requiring to manufacture various conductor cases or the like in response to the operating frequency without limiting a lateral length of the conductor case or the conductor plate by providing one or plural conductor cases in addition to a main conductor case or the like in which the antenna is installed and connecting the conductor cases with a passive element.

CONSTITUTION: The antenna system is made up of a main metallic case 6 whose upper side is formed with a feeding point 5a, a sub metallic case 7 being a separate body, and a passive element section 8 coupled electrically with the main metallic case 6 and the sub metallic case 7. The surface of the main metallic case 6 and the sub metallic case 7 is made of a conductor such as a metal, e.g. a high frequency circuit is contained in the main metallic case 6 and a circuit connecting to the high frequency circuit is connected to the sub metallic case 7. The passive element section 8 is formed into, e.g. cylindrical shape and a chip circuit acting like a passive element and connected between the lower face of the main metallic case 6 and the upper side of the sub metallic case 7 is contained in the inside.



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